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ABSTRACT

Recent technological advances in computing and digital imaging technology have had immediate and permanent consequences for visual resource collections. Libraries are involved in organizing and managing large visual resource collections. The central challenges in working with digital image collections mirror those that libraries have sought to address for centuries: how to organize, provide access to, store, and protect the collections to meet user needs at a reasonable cost. The papers that comrpise this book address these challenges: (1) "Image Databases: The First Decade, the Present, and the Future" (Howard Besser); (2) "Exploring New Models for Administering Intellectual Property: The Museum Educational Site Licensing Project" (Jennifer Trant); (3) "The Big Picture: Selection and Design Issues for Image Information Systems" (Lois F. Lunin); (4) "Content-Based Image Modeling and Retrieval" (Rajiv Mehrotra); (5) "Visual Information Retrieval in Digital Libraries" (Ramesh Jain); (6) "Efficient Techniques for Feature-Based Image/Video Access and Manipulation" (Shih-Fu Chang, John R. Smith, and Jianhao Meng); (7) "Multimedia Analysis and Retrieval System (MARS) Project" (Tom Huang, Sharad Mehrotra, and Kannan Ramchandran; (8) "Finding Pictures of Objects in Large Collections of Images" (David A. Forsyth and others); (9) "Using Speech Input for Image Interpretation, Annotation, and Retrieval" (Rohini K. Srihari); and (10) "Preserving the Past: The Development of a Digital Historical Aerial Photography Archive" (Donald E. Luman). Contains a brief description of each contributor and an index. (SWC)